Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/11/2021 09:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124586	-1	3.65	124496	3.67
Blue	F	SSC	125000	125141	0	5.29	125502	5.24
Blue	E	FITC	14400	13950	-4	3.88	319	15.74
Blue	D	PE	24713	24443	-2	3.58	557	11.29
Blue	B	PerCP-Cy5-5	31796	31320	-2	4.48	1040	14.93
Blue	A	PE-Cy7	21240	21522	1	6.30	581	29.58
Red	C	APC	41319	40861	-2	3.79	1713	11.31
Red	A	APC-Cy7	21019	20538	-3	4.34	771	11.65
Violet	B	V450	7305	7103	-3	4.70	441	12.97
Violet	A	V500	28652	27654	-4	4.29	695	10.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23157	3.79	572	3	N/A	N/A	Pass
Blue	F	SSC	57732	4.34	522	10	N/A	N/A	Pass
Blue	E	FITC	59	52.95	495	4	0.0417	49	Pass
Blue	D	PE	117	37.51	493	6	0.4126	321	Pass
Blue	B	PerCP-Cy5-5	192	35.97	589	5	0.0196	59	Pass
Blue	A	PE-Cy7	114	67.72	637	7	0.0211	0	Pass
Red	C	APC	395	23.60	575	2	0.0304	223	Pass
Red	A	APC-Cy7	173	26.40	545	0	0.0067	874	Pass
Violet	B	V450	61	60.31	455	-1	0.0493	1599	Pass
Violet	A	V500	100	32.43	468	-2	0.0248	524	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.14	-31.83	1.04
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.42
Red	21.77	15.99 - 23.99	N/A	N/A	30.17	30.45	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 14407

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments